

WELCOME

- **Informational Meeting**
- **Sign In Sheet**
- **Request from December 4, 2017 meeting
Selected Remedy**
 - Focus on the San Jacinto Waste Pits Site
 - Hold Jot down notes and questions for Q&A
- **15 – 20 Minute Presentation**
- **Public Engagement 2 Hours Q & A**
 - Form Line
- **Facility Closes at 8pm**

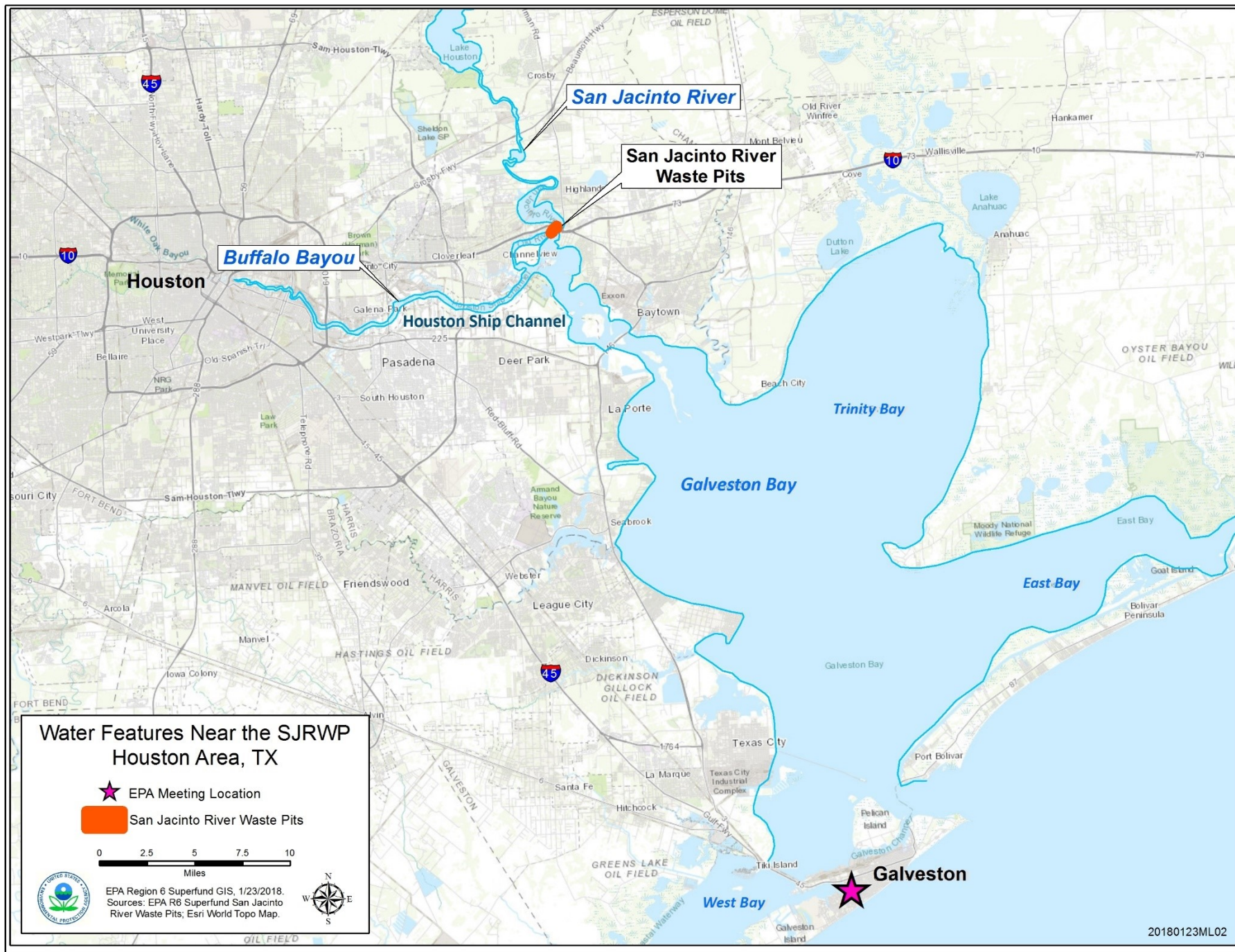
San Jacinto River Waste Pits Superfund Site

Community Meeting
January 30, 2018



San Jacinto River Waste Pits Superfund Site

- Site background
- Record of Decision
- Prevention of releases
- Path to clean up





Background

- Built in the mid-1960s for disposal of paper mill wastes
- Partially submerged northern impoundments cover about 15.7 acres
- Contaminated with dioxins and furans
- San Jacinto River Waste Pits added to the National Priorities List (Superfund) on March 19, 2008



San Jacinto River Waste Pits

South
Impoundment
1965

Changing River Conditions

1966



1997



San Jacinto River Waste Pits (2006)



San Jacinto River Waste Pits (2007)



Immediate Actions Taken

- Waste exposed at surface and in the river
- People were being exposed
- Uncontrolled releases to river
- EPA determined that an temporary cap was necessary

Northern Waste Pits (after cap)



Cap Construction Completed July 12, 2011






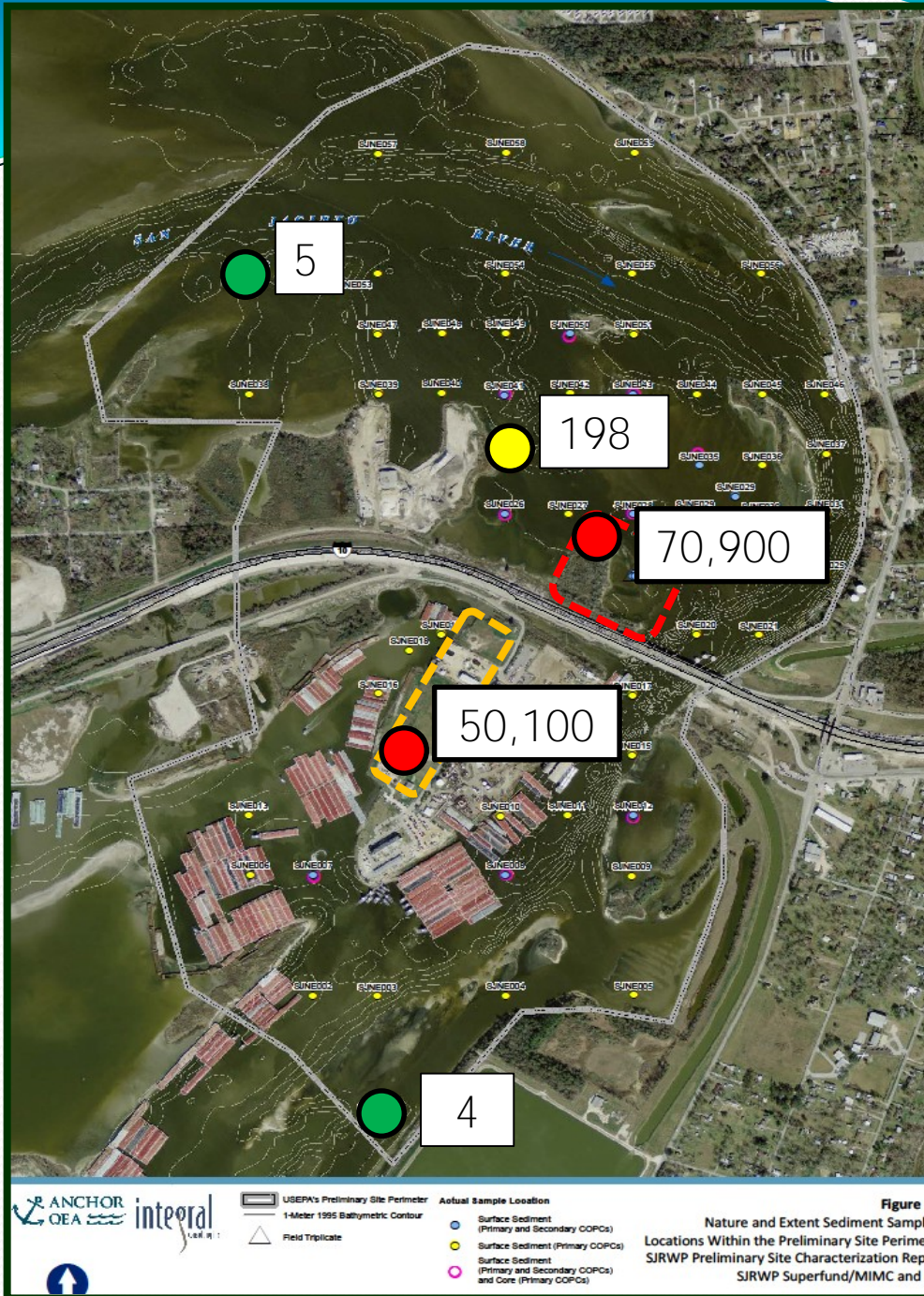
Site Field Investigations

- Sediment samples
- Soil samples
- Groundwater samples (shallow & deep)
- Tissue samples (catfish, crab, killifish & clams)

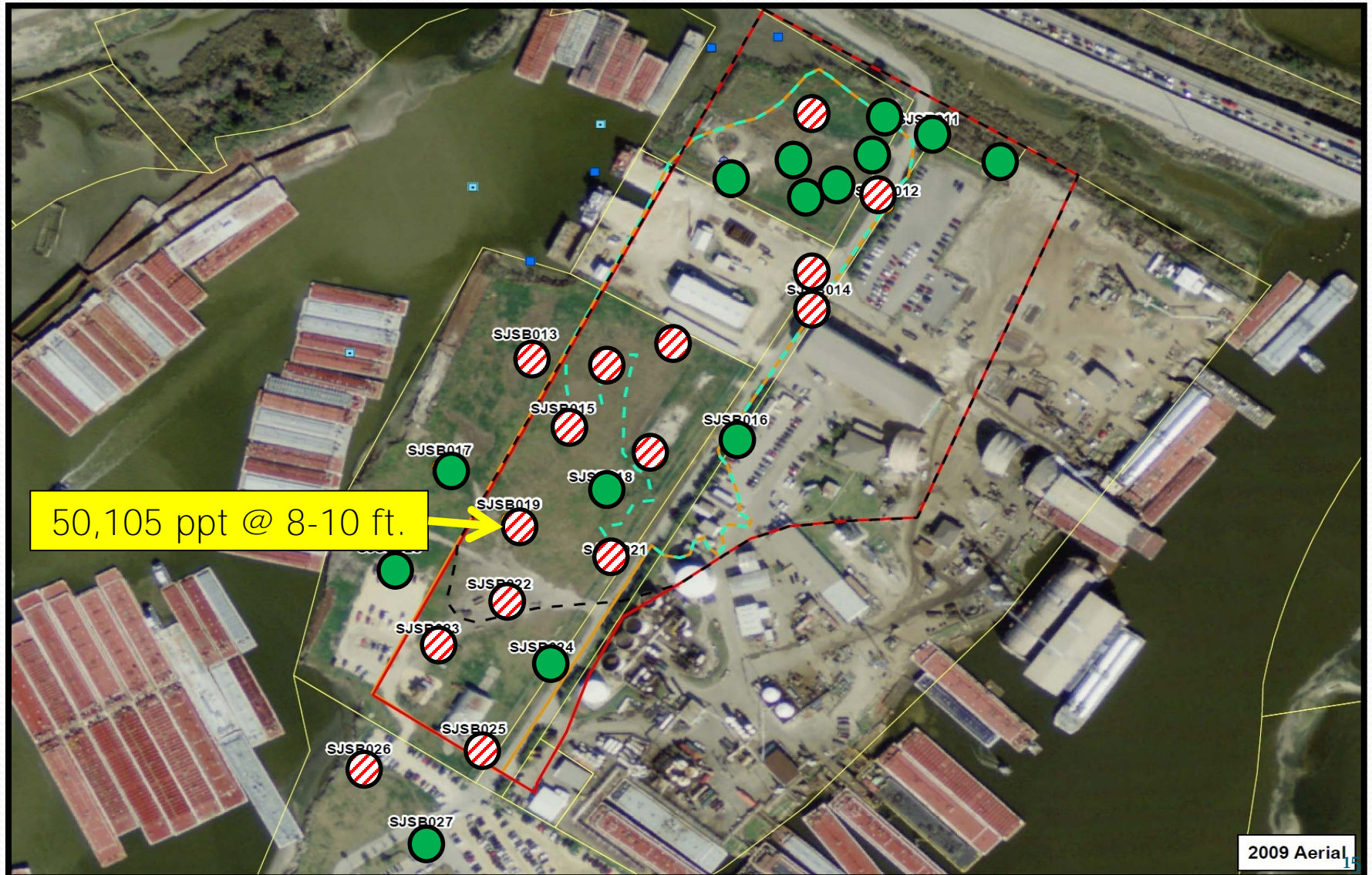
San Jacinto River Waste Pits Site

About 300 surface & subsurface sediment samples

-  Waste Pits
-  Southern Impoundment
-  Sediment - ppt TEQ_{DF} Dioxin



Southern Impoundment Soil Samples



Summary of Site Risks

- Human health potential risks to:
 - ▣ Recreational fisher (child)
 - ▣ Recreational visitors
 - ▣ Construction workers (south of I-10)
- Ecological potential risk to clams

Summary of Remedy

- Remove 212,000 cubic yards of waste for offsite disposal
- Prevent releases during construction:
 - ❑ No dredging – use excavation in the “dry”
 - ❑ Pits isolated (cofferdam)
 - ❑ Water pumped out & treated before discharge
- Cleanup level - 30 ppt for north waste pits & 240 ppt for southern impoundment
- Cost: \$115 million
- Construction time 27 months after design completed

Record of Decision

October 11, 2017 – Administrator Signature

- Over 7,000 comments received on Proposed Plan
- EPA conducted additional studies in response to comments:
 - ▣ Prevent releases during removal
 - ▣ Long-term cap stability
 - ▣ Constructability of remedy
- EPA listened to comments & adopted changes to clean up

Best Management Practices (BMP)



Rationale for Selected Remedy

- Projected dioxin waste is highly toxic and persistent (100s of years)
- High threat of repeated storms and constant river flow against man-made features.
- History of armor cap maintenance
- Avoids catastrophic release in un-controlled situation

Path to Cleanup

- EPA expects that the Potentially Responsible Parties will pay for and perform the site cleanup
- EPA started Remedial Design discussions with Potentially Responsible Parties
- Cleanup will require a complex engineering design
- Transparent Remedial Design



Questions ?

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